

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
2 June 2005 (02.06.2005)

PCT

(10) International Publication Number  
**WO 2005/049430 A2**

(51) International Patent Classification<sup>7</sup>:

**B65D**

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:

PCT/KR2004/003014

(22) International Filing Date:

22 November 2004 (22.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10-2003-0084257

22 November 2003 (22.11.2003) KR

10-2003-0084256

22 November 2003 (22.11.2003) KR

10-2004-0027303

16 April 2004 (16.04.2004) KR

10-2004-0064913

13 August 2004 (13.08.2004) KR

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

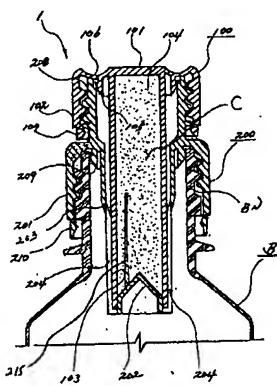
(71) Applicant and

(72) Inventor: LEE, Jung-Min [KR/KR]; #1208, Misung APT. A-dong, 37 Yeouedo-dong, Youngdungpo-gu, Seoul 150-010 (KR).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CAP WITH STORAGE CHAMBER FOR SECONDARY MATERIAL AND PRODUCT WITH THE SAME

WO 2005/049430 A2



(57) Abstract: A cap containing a secondary material includes a fixing member fixed on a container, the fixing member having a hollow main body and a supporting tube extending downward from an inner surface of the hollow main body, the supporting tube having a material exhausting portion and a seal member formed on the lower end of the supporting tube, and a movable member coupled to the fixing member, the movable member having a main body coupled on the main body of the fixing member and a tube extending downward from the main body to define a storage chamber for the secondary material, the tube being provided with an opened lower end through which the secondary material can be filled in the storage chamber, the opened lower end of the tube being tightly interlocked with the seal member formed on the supporting tube of the fixing member after the secondary material is filled in the storage chamber and the movable member is coupled to the fixing member and being released from the seal member so that the secondary material can be mixed with a primary material contained in the container by being exhausted into the bottle through the material exhausting portion formed on the supporting tube of the fixing member.